

# Stefan Klotz

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

10,462  
citations

38742

50  
h-index

54911

84  
g-index

94  
all docs

94  
docs citations

94  
times ranked

15215  
citing authors

#	ARTICLE	IF	CITATIONS
1	The iDiv Ecotron – A flexible research platform for multitrophic biodiversity research. <i>Ecology and Evolution</i> , 2021, 11, 15174-15190.	1.9	8
2	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
3	Investigating the consequences of climate change under different land-use regimes: a novel experimental infrastructure. <i>Ecosphere</i> , 2019, 10, e02635.	2.2	85
4	Conventional land-use intensification reduces species richness and increases production: A global meta-analysis. <i>Global Change Biology</i> , 2019, 25, 1941-1956.	9.5	161
5	Trade-Offs and Synergies Between Biodiversity Conservation and Productivity in the Context of Increasing Demands on Landscapes. , 2019, , 251-256.		2
6	Synchronized Peak Rate Years of Global Resources Use Imply Critical Trade-Offs in Appropriation of Natural Resources and Ecosystem Services. , 2019, , 301-307.		1
7	Do Urban Biodiversity and Urban Ecosystem Services Go Hand in Hand, or Do We Just Hope It Is That Easy?. <i>Future City</i> , 2018, , 301-312.	0.5	5
8	The next generation of site-based long-term ecological monitoring: Linking essential biodiversity variables and ecosystem integrity. <i>Science of the Total Environment</i> , 2018, 613-614, 1376-1384.	8.0	143
9	Understanding and assessing vegetation health by in situ species and remote sensing approaches. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1799-1809.	5.2	45
10	Linking Biodiversity Research Communities. <i>SpringerBriefs in Earth System Sciences</i> , 2018, , 39-45.	0.1	0
11	Cross-realm assessment of climate change impacts on species' abundance trends. <i>Nature Ecology and Evolution</i> , 2017, 1, 67.	7.8	83
12	Do drivers of biodiversity change differ in importance across marine and terrestrial systems – Or is it just different research communities' perspectives?. <i>Science of the Total Environment</i> , 2017, 574, 191-203.	8.0	32
13	Towards a thesaurus of plant characteristics: an ecological contribution. <i>Journal of Ecology</i> , 2017, 105, 298-309.	4.0	114
14	Mycorrhizal status helps explain invasion success of alien plant species. <i>Ecology</i> , 2017, 98, 92-102.	3.2	77
15	Increasing species richness but decreasing phylogenetic richness and divergence over a 320-year period of urbanization. <i>Journal of Applied Ecology</i> , 2017, 54, 1152-1160.	4.0	44
16	Stadtnatur. , 2017, , 215-236.		1
17	Species richness and phylogenetic structure in plant communities: 20 years of succession. <i>Web Ecology</i> , 2017, 17, 37-46.	1.6	6
18	Biodiversität. , 2017, , 151-160.		0

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19	Harmonizing Biodiversity Conservation and Productivity in the Context of Increasing Demands on Landscapes. <i>BioScience</i> , 2016, 66, 890-896.	4.9	60
20	Dispersal traits as indicators of vegetation dynamics in long-term old-field succession. <i>Ecological Indicators</i> , 2016, 65, 44-54.	6.3	17
21	Climatic and socio-economic factors determine the level of invasion by alien plants in Chile. <i>Plant Ecology and Diversity</i> , 2015, 8, 371-377.	2.4	13
22	Using ecological and life-history characteristics for projecting species' responses to climate change. <i>Frontiers of Biogeography</i> , 2014, 6, .	1.8	1
23	Synchronized peak-rate years of global resources use. <i>Ecology and Society</i> , 2014, 19, .	2.3	72
24	A global analysis of the impacts of urbanization on bird and plant diversity reveals key anthropogenic drivers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133330.	2.6	985
25	Beta diversity of urban floras among European and non-European cities. <i>Global Ecology and Biogeography</i> , 2014, 23, 769-779.	5.8	90
26	Regional vegetation patterns at lake Son Kul reveal Holocene climatic variability in central Tien Shan (Kyrgyzstan, Central Asia). <i>Quaternary Science Reviews</i> , 2014, 89, 169-185.	3.0	77
27	Realigning the land-sharing/land-sparing debate to match conservation needs: considering diversity scales and land-use history. <i>Landscape Ecology</i> , 2014, 29, 941-948.	4.2	56
28	Soil enzyme activities as bioindicators for substrate quality in revegetation of a subtropical coal mining dump. <i>Soil Biology and Biochemistry</i> , 2013, 56, 87-89.	8.8	47
29	Using long-term ecosystem service and biodiversity data to study the impacts and adaptation options in response to climate change: insights from the global ILTER sites network. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 53-66.	6.3	39
30	Long-term spatial pattern change in a semi-arid plant community: The role of climate and composition. <i>Acta Oecologica</i> , 2012, 45, 8-15.	1.1	4
31	Phylogenetic and functional characteristics of household yard floras and their changes along an urbanization gradient. <i>Ecology</i> , 2012, 93, S83.	3.2	115
32	Increasing range mismatching of interacting species under global change is related to their ecological characteristics. <i>Global Ecology and Biogeography</i> , 2012, 21, 88-99.	5.8	152
33	Geographical patterns in prediction errors of species distribution models. <i>Global Ecology and Biogeography</i> , 2011, 20, 779-788.	5.8	58
34	Functional traits and local environment predict vegetation responses to disturbance: a pan-European multi-site experiment. <i>Journal of Ecology</i> , 2011, 99, 777-787.	4.0	125
35	Modelling the impact of climate and land use change on the geographical distribution of leaf anatomy in a temperate flora. <i>Ecography</i> , 2011, 34, 507-518.	4.5	10
36	A Network of Terrestrial Environmental Observatories in Germany. <i>Vadose Zone Journal</i> , 2011, 10, 955-973.	2.2	401

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37	Differences in the trait compositions of non-indigenous and native plants across Germany. <i>Biological Invasions</i> , 2010, 12, 2001-2012.	2.4	25
38	Alien plants in southern South America. A framework for evaluation and management of mutual risk of invasion between Chile and Argentina. <i>Biological Invasions</i> , 2010, 12, 3227-3236.	2.4	30
39	The Iberian Peninsula as a potential source for the plant species pool in Germany under projected climate change. <i>Plant Ecology</i> , 2010, 207, 191-201.	1.6	13
40	Investigating habitat-specific plant species pools under climate change. <i>Basic and Applied Ecology</i> , 2010, 11, 603-611.	2.7	23
41	Multiple stressors on biotic interactions: how climate change and alien species interact to affect pollination. <i>Biological Reviews</i> , 2010, 85, 777-795.	10.4	259
42	The role of non-native plants and vertebrates in defining patterns of compositional dissimilarity within and across continents. <i>Global Ecology and Biogeography</i> , 2010, 19, 332-342.	5.8	52
43	Testing taxonomic and landscape surrogates for biodiversity in an urban setting. <i>Landscape and Urban Planning</i> , 2010, 97, 283-295.	7.5	72
44	Changes in the functional composition of a Central European urban flora over three centuries. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2010, 12, 235-244.	2.7	134
45	Predictive performance of plant species distribution models depends on species traits. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2010, 12, 219-225.	2.7	52
46	Temporal Changes and Spatial Determinants of Plant Species Diversity and Genetic Variation. , 2010, , 279-297.		8
47	Plant extinctions and introductions lead to phylogenetic and taxonomic homogenization of the European flora. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21721-21725.	7.1	305
48	Variability in leaf traits, insect herbivory and herbivore performance within and among individuals of four broad-leaved tree species. <i>Basic and Applied Ecology</i> , 2009, 10, 726-736.	2.7	37
49	Succession of floodplain grasslands following reduction in land use intensity: the importance of environmental conditions, management and dispersal. <i>Journal of Applied Ecology</i> , 2009, 46, 241-249.	4.0	72
50	Temporal dynamics of marginal steppic vegetation over a 26-year period of substantial environmental change. <i>Journal of Vegetation Science</i> , 2009, 20, 299-310.	2.2	22
51	The distribution of range sizes of native and alien plants in four European countries and the effects of residence time. <i>Diversity and Distributions</i> , 2009, 15, 158-166.	4.1	107
52	How species traits and affinity to urban land use control large-scale species frequency. <i>Diversity and Distributions</i> , 2009, 15, 533-546.	4.1	66
53	Alien species in a warmer world: risks and opportunities. <i>Trends in Ecology and Evolution</i> , 2009, 24, 686-693.	8.7	1,031
54	From Ecosystem Invasibility to Local, Regional and Global Patterns of Invasive Species. , 2008, , 181-196.		16

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55	Macroecology meets global change research. <i>Global Ecology and Biogeography</i> , 2008, 17, 3-4.	5.8	18
56	Alien plants in Chile: inferring invasion periods from herbarium records. <i>Biological Invasions</i> , 2008, 10, 649-657.	2.4	43
57	Do protected areas in urban and rural landscapes differ in species diversity?. <i>Biodiversity and Conservation</i> , 2008, 17, 1595-1612.	2.6	86
58	A comparative test of phylogenetic diversity indices. <i>Oecologia</i> , 2008, 157, 485-495.	2.0	121
59	Plant functional group composition and large-scale species richness in European agricultural landscapes. <i>Journal of Vegetation Science</i> , 2008, 19, 3-14.	2.2	111
60	On the identification of the most suitable traits for plant functional trait analyses. <i>Oikos</i> , 2008, 117, 1533-1541.	2.7	94
61	On the biogeography of seed mass in Germany – distribution patterns and environmental correlates. <i>Ecography</i> , 2008, 31, 457-468.	4.5	50
62	Species richness of herbivores on exotic host plants increases with time since introduction of the host. <i>Diversity and Distributions</i> , 2008, 14, 905-912.	4.1	82
63	Challenging urban species diversity: contrasting phylogenetic patterns across plant functional groups in Germany. <i>Ecology Letters</i> , 2008, 11, 1054-1064.	6.4	230
64	Distance decay of similarity among European urban floras: the impact of anthropogenic activities on $\beta$ diversity. <i>Global Ecology and Biogeography</i> , 2008, 17, 363-371.	5.8	90
65	Trait interactions help explain plant invasion success in the German flora. <i>Journal of Ecology</i> , 2008, 96, 860-868.	4.0	156
66	Spatial aspects of trait homogenization within the German flora. <i>Journal of Biogeography</i> , 2008, 35, 2289-2297.	3.0	21
67	Climate and land use change impacts on plant distributions in Germany. <i>Biology Letters</i> , 2008, 4, 564-567.	2.3	138
68	Soil organic matter and microbial community structure in set-aside and intensively managed arable soils in NE-Saxony, Germany. <i>Applied Soil Ecology</i> , 2008, 40, 465-475.	4.3	25
69	Correlates of naturalization and occupancy of introduced ornamentals in Germany. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2008, 10, 241-250.	2.7	73
70	CLIMATE CHANGE CAN CAUSE SPATIAL MISMATCH OF TROPHICALLY INTERACTING SPECIES. <i>Ecology</i> , 2008, 89, 3472-3479.	3.2	356
71	MACIS: Minimisation of and Adaptation to Climate Change Impacts on Biodiversity. <i>Gaia</i> , 2008, 17, 393-395.	0.7	10
72	Effects of landscape structure and land-use intensity on similarity of plant and animal communities. <i>Global Ecology and Biogeography</i> , 2007, 16, 774-787.	5.8	151

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73	Spontaneous regeneration of dry grasslands on set-aside fields. <i>Biodiversity and Conservation</i> , 2007, 16, 621-630.	2.6	49
74	Is the EC Afraid of Its Own Visions?. <i>Science</i> , 2007, 315, 1220-1220.	12.6	5
75	Urbanization and homogenization â€“ Comparing the floras of urban and rural areas in Germany. <i>Biological Conservation</i> , 2006, 127, 292-300.	4.1	305
76	Plant richness patterns in agricultural and urban landscapes in Central Germanyâ€”spatial gradients of species richness. <i>Landscape and Urban Planning</i> , 2006, 75, 97-110.	7.5	190
77	Relating geographical variation in pollination types to environmental and spatial factors using novel statistical methods. <i>New Phytologist</i> , 2006, 172, 127-139.	7.3	65
78	Effects of changes in agricultural land-use on landscape structure and arable weed vegetation over the last 50 years. <i>Agriculture, Ecosystems and Environment</i> , 2006, 115, 43-50.	5.3	229
79	Alarm: Assessing Large-scale environmental Risks for biodiversity with tested Methods. <i>Gaia</i> , 2005, 14, 69-72.	0.7	160
80	Environmental signals from leaves â€“ a physiognomic analysis of European vegetation. <i>New Phytologist</i> , 2005, 166, 465-484.	7.3	117
81	How to characterize and predict alien species? A response to Pysek et al.(2004). <i>Diversity and Distributions</i> , 2005, 11, 121-123.	4.1	3
82	Why do alien plant species that reproduce in natural habitats occur more frequently?. <i>Diversity and Distributions</i> , 2004, 10, 417-425.	4.1	84
83	Native and alien plant species richness in relation to spatial heterogeneity on a regional scale in Germany. <i>Global Ecology and Biogeography</i> , 2003, 12, 299-311.	5.8	203
84	DISTRIBUTIONAL RANGE SIZE OF WEEDY PLANT SPECIES IS CORRELATED TO GERMINATION PATTERNS. <i>Ecology</i> , 2003, 84, 136-144.	3.2	65
85	Woody plants in Kenya: expanding the Higher-Taxon Approach. <i>Biological Conservation</i> , 2003, 110, 307-314.	4.1	24
86	Continental European Eemian and early Würmian climate evolution: comparing signals using different quantitative reconstruction approaches based on pollen. <i>Global and Planetary Change</i> , 2003, 36, 277-294.	3.5	99
87	Geographic variability of ecological niches of plant species: are competition and stress relevant?. <i>Ecography</i> , 2002, 25, 721-729.	4.5	35
88	The niche of higher plants: evidence for phylogenetic conservatism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 2383-2389.	2.6	378
89	Clonal plant species in a dry-grassland community: A simulation study of long-term population dynamics. <i>Ecological Modelling</i> , 1997, 96, 125-141.	2.5	17
90	Long-term control of species abundances in a dry grassland: a spatially explicit model. <i>Journal of Vegetation Science</i> , 1997, 8, 189-198.	2.2	23

#	ARTICLE	IF	CITATIONS
91	Urbanisation and alien invasion. , 0, , 120-133.		19
92	Climate change impacts on biodiversity: a short introduction with special emphasis on the ALARM approach for the assessment of multiple risks. BioRisk, 0, 5, 3-29.	0.2	3